

INTERNATIONAL SEARCH REPORT

ational Application No

/IB2004/051378

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L27/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/118658 A1 (VAN DER PUTTEN FRANK OCTAAF ET AL) 29 August 2002 (2002-08-29) abstract paragraph '0002! paragraph '0007! paragraph '0011! - paragraph '0016! paragraph '0027! - paragraph '0035! figure 1	1-12
X	US 6 369 758 B1 (ZHANG DEMING) 9 April 2002 (2002-04-09) abstract column 4, line 29 - column 9, last line column 14, line 48 - column 18, line 17; figures 1-6 ----- -/--	1,2,5, 9-12

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

17/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dujardin, C

INTERNATIONAL SEARCH REPORT

International Application No.

/IB2004/051378

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 226 337 B1 (LAABS JUERGEN ET AL) 1 May 2001 (2001-05-01) abstract column 1, line 32 - column 5, line 40 column 5, line 66 - column 7, line 42 figures 2-5,8,9 -----	1,2,5, 9-12

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
IB2004/051378

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002118658	A1	29-08-2002	US	2001014101 A1	16-08-2001
US 6369758	B1	09-04-2002	CA	2357916 A1	01-05-2002
			EP	1207631 A1	22-05-2002
US 6226337	B1	01-05-2001	DE	4330665 A1	16-03-1995
			DE	4330672 A1	16-03-1995
			CN	1130966 A ,B	11-09-1996
			DE	59409422 D1	10-08-2000
			WO	9507581 A1	16-03-1995
			EP	0717894 A1	26-06-1996
			JP	3485117 B2	13-01-2004
			JP	9502318 T	04-03-1997